

Title (en)
PACKAGING MATERIAL FOR BATTERY

Title (de)
VERPACKUNGSMATERIAL FÜR BATTERIE

Title (fr)
MATÉRIAU DE CONDITIONNEMENT POUR BATTERIE

Publication
EP 3188278 A1 20170705 (EN)

Application
EP 15836305 A 20150824

Priority
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• JP 2014197013 A 20140926
• JP 2015073690 W 20150824

Abstract (en)
A packaging material for batteries comprising a laminate in which at least a base material layer, a metal layer, and a sealant layer are laminated in order, the sum (A + B) of a value A of stress when 40% extended/stress when 10% extended in the direction MD and a value B of stress when 40% extended/stress when 10% extended in the direction TD of the laminate satisfying the relationship $A + B \geq 2.50$.

IPC 8 full level
H01M 50/119 (2021.01); **H01M 50/121** (2021.01); **H01M 50/124** (2021.01); **H01M 50/133** (2021.01)

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B32B 2457/10 (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

Cited by
US10347876B2; US10964983B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3188278 A1 20170705; **EP 3188278 A4 20180822**; **EP 3188278 B1 20200401**; CN 106663755 A 20170510; CN 106663755 B 20190903;
EP 3689599 A1 20200805; EP 3689599 B1 20210331; KR 102265385 B1 20210616; KR 102449818 B1 20221004;
KR 20170046725 A 20170502; KR 20190116575 A 20191014; KR 20210072149 A 20210616; KR 20220136501 A 20221007;
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US 2017263899 A1 20170914; US 2021043878 A1 20210211; US 2022123392 A1 20220421; US 2023290995 A1 20230914;
US 2024170716 A1 20240523; WO 2016031758 A1 20160303

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EP 15836305 A 20150824; CN 201580046698 A 20150824; EP 20157382 A 20150824; JP 2015073690 W 20150824;
KR 20177007969 A 20150824; KR 20197029283 A 20150824; KR 20217017717 A 20150824; KR 20227033666 A 20150824;
US 201515505639 A 20150824; US 202017077715 A 20201022; US 202117562710 A 20211227; US 202318144434 A 20230508;
US 202418421027 A 20240124